

TARIFF ACTION MEMORANDUM

File No.: TA381-121 and TA501-8

Date: March 23, 2021

Date Filed: February 16, 2021

Statutory End Date: April 2, 2021

Utility: Chugach Electric Association, Inc.

Description: COPA SFPPR

Synopsis of Filing:

Chugach Electric Association, Inc. submits its Cost of Power Adjustment and Small Facility Power Purchase Rate update for the period beginning April 1, 2021 for the North District (TA381-121) and the South District (TA501-8). Chugach Electric Association, Inc. also submits an update to the Beluga River Unit Contributed Capital Rebate and Surcharge and Restricted Rate Reduction Account Rebate.

Tariff Recommendations:

The Commission should:

1. Suspend TA381-121 into Docket No. U-19-085.
2. Suspend TA501-8 into Docket No. U-19-091.
3. Approve the Cost of Power Adjustment surcharges and Small Facility Power Purchase Rates on an interim and refundable basis, effective April 1, 2021.
4. Approve Tariff Sheet Nos. 66 through 73, and Tariff Sheet No. 103, filed February 16, 2021, by Chugach Electric Association, Inc. with TA381-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheets should be April 1, 2021.
5. Approve Tariff Sheet Nos. 93, 94, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95, 95.04, 95.05, 95.5, 96, 97, 97.1.4, 97.5.2, and 97.6.1, filed February 16, 2021, by Chugach Electric Association, Inc. with TA501-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be April 1, 2021.

Reason(s) for the above-indicated recommendations: See attached memorandum.

Signed: Becki Alvey
Becki Alvey

Title: Utility Tariff Analyst

Commission decision regarding these recommendations:

	<u>Date (if different from 3/23/2021)</u>	<u>I CONCUR</u>	<u>I DO NOT CONCUR</u>	<u>I WILL WRITE A DISSENTING STATEMENT*</u>
Pickett	<u>3/30/2021</u>	<u>RMP</u>		
Kurber	<u>3/30/2021</u>	<u>KKJ</u>		
Scott		<u>AGS</u>		
Sullivan		<u>DS</u>		
Wilson	<u>3/30/21</u>	<u>JW</u>		

*If this column is initialed, Staff will contact the Commissioner for the statement; otherwise, the dissent will simply be noted at the close of the By Direction letter or order.

STATE OF ALASKA
The Regulatory Commission of Alaska
701 West 8th Ave., Suite 300
Anchorage, Alaska 99501-3469

T A R I F F A C T I O N M E M O R A N D U M

To: Robert M. Pickett, Chairman
Keith Kurber II
Antony Scott
Daniel A. Sullivan
Janis W. Wilson

Date: March 23, 2021

From: Becki Alvey, Utility Tariff Analyst

Subject: TA381-121 and TA501-8, Chugach Electric Association, Inc.
COPA and SFPPR

STATEMENT OF CASE

Chugach Electric Association, Inc. (Chugach) submits its Cost of Power Adjustment (COPA) and Small Facility Power Purchase Rate (SFPPR) update for the period beginning April 1, 2021 for the North District (TA381-121) and the South District (TA501-8). Chugach Electric Association, Inc. also submits an update to the Beluga River Unit (BRU) Contributed Capital Rebate and Surcharge and Restricted Rate Reduction (RRR) Account Rebate.

RECOMMENDATIONS

The Commission should:

1. Suspend TA381-121 into Docket No. U-19-085.
2. Suspend TA501-8 into Docket No. U-19-091.
3. Approve the COPA surcharges and SFPPRs on an interim and refundable basis, effective April 1, 2021.
4. Approve Tariff Sheet Nos. 66 through 73, and Tariff Sheet No. 103, filed February 16, 2021, by Chugach with TA381-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheets should be April 1, 2021.
5. Approve Tariff Sheet Nos. 93, 94, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95, 95.04, 95.05, 95.5, 96, 97, 97.1.4, 97.5.2, and 97.6.1, filed February 16, 2021, by Chugach with TA501-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be April 1, 2021.

BACKGROUND

Chugach is the largest electric utility in Alaska, with approximately 31,000 retail metered locations in the North District and approximately 82,000 retail metered locations and one wholesale customer, Seward Electric System (SES) in the South District.¹ Expenses

¹ See tariff advice letters for TA381-121 and TA501-8, at 2. Staff notes that the North District is the area served under Certificate of Public Convenience and Necessity (Certificate) No. 121 and the South District is the area served under Certificate No. 8.

associated with electric services include fuel used to generate electricity and power purchased from others. Chugach is authorized by the Commission to recover fuel and purchased power costs through the fuel and purchased power adjustment process, which is adjusted quarterly to reflect increases and decreases of such costs.

On November 5, 2018, the Commission issued Order No. U-18-102(1), opening an investigation into the BRU management practices of the Municipality of Anchorage d/b/a Municipal Light and Power (ML&P). On April 18, 2019, the Commission issued Order No. U-19-020(1) and Order No. U-19-021(1) to address Chugach Electric Association Inc.'s (Chugach) petition to acquire most of ML&P's assets and ML&P's request for amendment of its certificate, respectively. Docket No. U-18-102 was consolidated with Docket Nos. U-19-020 and U-19-021, on May 8, 2019, with Order No. U-18-102(8)/U-19-020(2)/U-19-021(2). In that order the Commission designated Chugach as a party to Docket No. U-18-102. On May 28, 2020, the Commission issued Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), conditionally approving the transaction and requiring a number of filings. In addition, in the Commission's discussion of the transfer of Certificate No. 121 to Chugach, the Commission imposed four conditions including that Chugach file tariff revisions under which all Chugach ratepayers will be billed under the same COPA surcharge calculation, including unified gas transfer price (GTP) no later than 45-days before January 1, 2021.²

On August 26, 2020, Chugach filed TA492-8, TA493-8, TA494-8, and TA495-8, proposing methodologies for the RRR Account, BRU Contributed Capital surcharge and rebate, unified GTP, and unified COPA, respectively, in compliance with Order No. U-18-102(44)/U-19-020(39)/U-19-021(39). On November 5, 2020, the Commission issued Letter Order Nos. L200397, L200395, and L2000399, approving the Tariff Sheets filed with TA492-8 and TA493-8, and approving the unified COPA methodology, respectively. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission.

Chugach now submits TA381-121 and TA501-8, its unified COPA and SFPPR update for the period beginning April 1, 2021, for the North District and South District, respectively. In accordance with historic Commission practice,³ a publication notice was not issued for TA381-121 and TA501-8.

² See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), at page 58.

³ One reason the Commission forgoes publication notice for COPA filings is 3 AAC 52.504(d) which states "[f]or a COPA filing under (b) of this section, an electric utility is not required to give public notice under AS 42.05.411..." this allows a utility to implement a COPA upon filing, rather than waiting the 45 day specified in AS 42.05.411 to ensure adequate notice to the public of a tariff revision.

ANALYSIS

COPA

Proposed revisions to the COPA surcharges are reviewed under 3 AAC 52.504, which requires information supporting entries in the balancing account for the historical period, and support for projections for the future period.⁴ Chugach segregates the retail COPA surcharge into a fuel component and a purchased power component and updates the distribution-level losses of retail customers served between Primary and Secondary voltage levels.⁵

Calculation of the COPA consists of two parts. The first part includes a 3-month estimate of kWh sales, power costs, and revenue offsets. Chugach submitted supporting documentation for the projected period of April through June 2021. The second part includes documentation supporting the estimated balancing account entries for January through March 2021.⁶ Chugach provided actual usage, generation, cost and sales data for the period of October through December 2020, including invoices and spreadsheets supporting the balancing account entries. Staff notes that Chugach also submitted the actual usage, generation, cost and sales data for the period of October through December 2020, including invoices and spreadsheets for the costs incurred and revenues collected for ML&P prior to the close of the acquisition.

December Gas Exchange

During Staff's review of TA501-8, Staff found that a formula error in Exhibit 5 overstated the gas exchange revenues collected by Chugach in December 2020. Chugach agreed that the exchange revenues were overstated by \$141,831. Chugach stated that it will include a correction to the balancing account in its next COPA filing.⁷ Staff notes that the overstated gas exchange revenues decrease the current COPA amount and are a benefit to the customers.

Bradley Lake Cash Call

With TA381-121 and TA501-8, Chugach included in an invoice for a one-time cash call paid into the renewal and contingency fund (R&C Fund). Staff requested more information regarding these costs. Chugach states that the R&C fund is used to pay the costs of capital improvements, extraordinary O&M costs, and contingencies. The R&C fund allows costs to be spread over four years, but the level of amortization cannot exceed \$5 million. During 2020, there were several large capital improvements, including the Battle Creek Diversion project. The balance of costs exceeded the \$5 million limit by approximately \$750,000. Chugach states that if the \$5 million amortization limit is exceeded, the excess amounts are paid through either additional financing or a cash call. In this case the Bradley Lake Project Management Committee (BPMC) chose to issue a cash call.

⁴ See 3 AAC 52.504(g), *Filing Requirements for Electric Utilities*. This support includes invoices, records, reports, calculations, contracts and any other information the Commission and Staff consider necessary to explain the proposed COPA calculation.

⁵ See Letter Order No. L0900101, issued November 19, 2009.

⁶ In 1992, Chugach obtained Commission approval to use an estimated balancing account balance in its COPA calculation. See TA133-8, effective September 12, 1991.

⁷ See TR2101494, filed March 12, 2021.

Chugach also states that on September 11, 2020, the BPMC approved a one-time cash call for \$750,000 to be paid into the R&C Fund. Chugach's share was included in its purchased power costs.⁸

COPA Surcharge Increase

Tariff Sheet Nos. 69 and 94.1 Primary Service⁹

With TA381-121 and TA501-8, Chugach proposes a retail service for Primary Delivery COPA surcharge of \$0.04944/kWh.¹⁰ This is an increase from the currently approved COPA surcharge of \$0.04729/kWh.

Tariff Sheet Nos. 70 and 94.1.1 Secondary Service

With TA381-121 and TA501-8, Chugach proposes a retail service for Secondary Delivery COPA surcharge of \$0.04980/kWh.¹¹ This is an increase from the currently approved COPA surcharge of \$0.04766/kWh.

Table 1A shows the effect of the proposed changes on a sample bill for a residential customer with Secondary Service for usage of 650 kWh for the South District.

TABLE 1A

Sample Residential Customer with Secondary Service Billing - 650/kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	Fuel Cost Adjustment Factor	\$ 0.03994	\$ 0.04385	\$ 0.00391
2	Purchased Power Cost Adjustment Factor	0.00596	0.00508	(0.00088)
3	Fire Island Wind Adjustment Factor	<u>0.00176</u>	<u>0.00087</u>	<u>(0.00089)</u>
4	Total COPA Surcharge	\$ 0.04766	\$ 0.04980	0.00214
650 kWh Residential Customer Bill				
5	Customer Charge	\$ 8.00	\$ 8.00	-
6	Energy @ \$0.13362/kWh	86.85	86.85	-
7	RCC @ 0.000654/kWh	0.43	0.43	-
8	BRU Contributed Capital Surcharge	9.73	10.43	0.70
9	COPA Surcharge	<u>30.98</u>	<u>32.37</u>	<u>1.39</u>
10	Total Customer Bill	\$ 135.99	\$ 138.08	\$ 2.09

Table 1B shows the effect of the proposed changes on a sample bill for a residential customer with Secondary Service for usage of 650 kWh for the North District.

⁸ See TR2101493 and TR2101492, filed March 11, 2021.

⁹ Throughout this memo, Staff lists the tariff sheets for Certificate No. 121 first and Certificate No. 8 second.

¹⁰ See side-by-side Tariff Sheet No. 69, attached as BA-1, at line e.5.D. See also side-by-side Tariff Sheet No. 94.1, attached as BA-2, at line e.5.D for Certificate No. 8.

¹¹ See side-by-side Tariff Sheet No. 70, attached as BA-1, at line e.6.D. See also side-by-side Tariff Sheet No. 94.1.1, attached as BA-2, at line e.6.D.

TABLE 1B

Sample Residential Customer with Secondary Service Billing - 650/kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	Fuel Cost Adjustment Factor	\$ 0.03994	\$ 0.04385	\$ 0.00391
2	Purchased Power Cost Adjustment Factor	\$ 0.00596	0.00508	(0.00088)
3	Fire Island Wind Adjustment Factor	<u>\$ 0.00176</u>	<u>0.00087</u>	<u>(0.00089)</u>
4	Total COPA Surcharge	\$ 0.04766	\$ 0.04980	0.00214
650 kWh Residential Customer Bill				
5	Customer Charge	\$ 13.62	\$ 13.62	-
6	Energy @ \$0.15274/kWh	99.28	99.28	-
7	RCC @ 0.000654/kWh	0.43	0.43	-
8	RRR Account Rebate	(7.54)	(8.51)	(0.97)
9	BRU Contributed Capital Rebate	(11.06)	(12.49)	(1.42)
10	COPA Surcharge	<u>30.98</u>	<u>32.37</u>	<u>1.39</u>
11	Total Customer Bill	\$ 125.70	\$ 124.70	\$ (1.00)

Factors that may affect the calculation of Chugach's COPA include the previous period's ending balancing account balance, generation efficiency, projected power costs, and variances in credits for revenue offsets.¹² Changes in these factors frequently offset each other. Any factor that increases the average cost per kWh sold will put upward pressure on the COPA surcharge and any factor that decreases the average cost per kWh sold will put downward pressure on the surcharge. The proposed increase in Chugach's COPA is primarily driven by:

- 1) The projected net fuel costs decreased from \$24,032,640 to \$19,361,828,¹³ the projected net purchased power costs decreased from \$4,341,475 to \$3,924,346,¹⁴ and the projected Fire Island Wind cost differential decreased from \$970,129 to \$438,601.¹⁵ This results in a decrease in the total power costs from \$29,344,245 to \$23,724,775.¹⁶ This decrease in costs places downward pressure on the COPA surcharge.

¹² Revenue from the sales of economy energy to Golden Valley Electric Association, Inc. (GVEA), the margins associated with economy energy sales, wheeling, renewable energy certificates, and gas exchange contribution are passed through Chugach's COPA balancing account as an offset to its fuel and purchased power costs.

¹³ See side-by-side Tariff Sheet No. 66, attached as BA-1, and Tariff Sheet No. 94, attached as BA-2, at *Net Fuel Expense* line.

¹⁴ See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.04, attached as BA-2, at *Net Purchased Power Expense* line. Net purchased power expenses are purchased power expenses from Bradley Lake, base FIW renewable resource costs, and other purchases minus credits from renewable energy certificates and wheeling revenue.

¹⁵ See side-by-side Tariff Sheet No. 68, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Fire Island Wind Cost Differential* line.

¹⁶ See side-by-side Tariff Sheet No. 68, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Fuel & Purch. Costs to be Recovered* line.

- 2) The projected kWh sales decreased from 560,377,100 kWh to 523,003,200 kWh.¹⁷ This decrease results in the projected fuel and purchased power costs being spread over a fewer number of kWh, placing upward pressure on the COPA surcharge.
- 3) The actual balancing account balance decreased from \$947,283 to (\$2,998,647).¹⁸ In the fourth quarter of 2020, Chugach had fuel and purchased power costs of \$23,525,648,¹⁹ and collected \$26,524,295 in revenues.²⁰ This decrease in the actual balancing account balance places downward pressure on the projected balancing account balance.
- 4) The projected balancing account balance increased from (\$2,975,565) to \$1,251,397.²¹ The increase in the projected balancing account balance places upward pressure on the COPA surcharge.

The decrease in projected costs places downward pressure on the COPA surcharge; this is offset by the upward pressure from the decrease in projected sales and increase in the projected balancing account balance. The overall result is an increase to Chugach's COPA.

The revisions proposed in TA381-121 and TA501-8 did not include a change in methodology or new cost element, and as such, Chugach proposed to implement the proposed surcharges on April 1, 2021, in accordance with 3 AAC 52.504(b).²² Staff has reviewed all information and calculations filed in support of TA381-121 and TA501-8, and verified that Chugach provided all required information. Staff confirmed that the proposed surcharges were calculated accurately using Chugach's approved methodology, and the tariff sheets are correct.²³ Therefore, Staff recommends the Commission approve as indicated above.²⁴

¹⁷ See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.04, attached as BA-2, at *Predicted Sales at G&T (MWh)* line. The predicted sales at G&T presented on the tariff sheet have been multiplied by 100 to convert from MWh to kWh.

¹⁸ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *September 30, 2020* and *December 31, 2020* lines.

¹⁹ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *Fuel and Purchased Power Costs* line.

²⁰ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *Fuel and Purchased Power Recovery* line.

²¹ See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Projected Balances as of March 31, 2021* line.

²² 3 AAC 52.504(b) states "[a]n electric utility may implement a COPA filing that does not include a new methodology or cost element immediately upon filing with the Commission. The COPA filing is subject to subsequent review, adjustment, and approval by the Commission."

²³ Side-by-side tariff sheets are attached as BA-1 for TA380-121 and BA-2 for TA496-8.

²⁴ Tariff Sheet Nos. 97.1.4, 97.5.2, and 97.6.1 provides a historical record of COPA amounts. Staff has verified that they accurately reflect the amounts proposed with TA498-8. In addition, Tariff Sheet Nos. 73 (Certificate No. 121) and 94.1.2 (Certificate No. 8) reflect a combined per kWh rate including the RRR Account rebate and the BRU Contributed TA381-121 and TA501-8 Chugach

Other Factors Impacting Chugach's COPA

CINGSA Non-Firm Shared Revenue and Well Maintenance Surcharge

Cook Inlet Natural Gas Storage Alaska, LLC's (CINGSA) tariff provides that well maintenance costs be billed to Firm Storage Service (FSS) customers based on the maximum storage quantity (MSQ) and the maximum daily withdrawal quantity (MDWQ).²⁵ CINGSA's tariff also requires CINGSA to allocate non-firm revenues to FSS customers based on its MSQ and MDWQ on a monthly basis.²⁶ Chugach provided copies of the CINGSA invoices with Chugach's share of the non-firm revenues.²⁷

Beluga River Unit GTP

On August 26, 2020, Chugach filed TA494-8, proposing a unified GTP methodology. In that filing, Chugach proposed update its methodology to remove the ARO component from its GTP revenue requirement. Chugach also proposed to include an ARO surcharge, similar to the approach used by ML&P. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission. With TA500-8, filed concurrent to TA381-121 and TA501-8, Chugach proposes a GTP of \$3.39 per Mcf.²⁸

Gas Supply Agreements (GSA)

Chugach currently has four GSAs, all of which allow for the gas to be stored in the Cook Inlet Natural Gas Storage Alaska, LLC (CINGSA).²⁹

- Hilcorp Alaska, LLC (Hilcorp), January 2015 through March 2018, extended to March 2028.³⁰
- Cook Inlet Energy (CIE), initially for the period of January 2014 through March 2018³¹ and extended through 2023.³²

Capital rebate and surcharge. Staff notes that Chugach will continue to separate the line items on a customer bill, as it has done historically.

²⁵ See CINGSA Tariff Sheet Nos. 83 and 84, effective November 1, 2019.

²⁶ *Ibid.*

²⁷ See TA501-8 at Attachment B page 8, Attachment C page 9, and Attachment D page 10.

²⁸ See TA500-8, filed February 16, 2021.

²⁹ Chugach is a Firm Storage Service customer of CINGSA, see Letter Order No. L1100561, issued October 24, 2011; Chugach is an Interruptible Storage Service customer of CINGSA, see Letter Order No. L1400135, issued March 21, 2014; Chugach participates in gas exchange activity with its contracted CINGSA capacity; see Letter Order No. L1300478, issued October 21, 2013.

³⁰ See GSA with Hilcorp for the period of January 2015 through March 2018 (TA377-8) approved in Letter Order No. L1300429, issued September 10, 2013, extended to 2019 with TA391-8 approved in Letter Order No. L1400406, issued September 15, 2016, extended to 2023 with TA408-8 approved in Letter Order No. L1500442, issued September 8, 2015, and extend to 2028 with TA481-8 approved in Letter Order No. L2000085, issued February 28, 2020.

³¹ See GSA with Cook Inlet Energy, LLC for the period of July 2014 through March 2018 (TA381-8) approved in Letter Order No. L1300531, issued November 25, 2013.

³² See Extension to the GSA with Cook Inlet Energy, LLC (TA438-8), approved in Letter Order No. L1700174, issued May 5, 2017.

- AIX Energy, LLC (AIX), November 3, 2016 through March 24, 2024.³³
- Furie Operating Alaska, LLC (Furie), for interruptible purchases beginning on May 1, 2017, and terminating on March 31, 2033. The period of the proposed GSA for firm purchases is scheduled to begin on October 1, 2023 and terminate on March 31, 2033.³⁴

Gas Storage

Table 2 summarizes Chugach's gas storage activity on volumetric basis for the fourth quarter of 2020³⁵ and Table 3 summarizes the monetary value of the gas in storage.³⁶

TABLE 2

Volume of Gas in Storage (Mcf)

Month	Purchased	Fuel Gas	Injections	Withdrawals	Balance
Oct-20	27,624	497	527,317	353,391	2,530,878
Nov-20	48,870	880	47,990	120,847	2,458,021
Dec-20	6,288	113	23,499	277,174	2,204,346

TABLE 3

Value of Gas In Storage

Month	Injections	Withdrawals	Balance	Weighted Price
Oct-20	\$2,952,736	\$2,837,720	\$18,650,083	\$7.37
Nov-20	\$385,946	\$940,797	\$18,094,266	\$7.36
Dec-20	\$191,780	\$2,171,404	\$16,114,417	\$7.31

Fire Island Wind

In Order No. U-11-100(5), the Commission allowed payments made to FIW, under a power purchase agreement³⁷ to be collected through the COPA, requiring disclosure to cooperative members of the actual cost of wind power.³⁸ Chugach submitted the information to support the methodology and calculation for the FIW purchased power cost recovery rate calculation. Staff reviewed the estimates for the purchased power expenses and kWh sales in its calculation. Staff summarizes its calculation and effect of the FIW adjustment rate in Table 4.

³³ See GSA with AIX Energy, LLC for the period of July 2016 through March 2024 (TA415-8) approved in Letter Order No. L1600010, issued October 11, 2016.

³⁴ See Firm and Interruptible Gas Sale and Purchase Agreement with Furie Operating Alaska, LLC (TA437-8) approved in Letter Order No. L1700160, issued May 1, 2017.

³⁵ See tariff advice letter for TA501-8, at page 3.

³⁶ *Id.*, at page 4.

³⁷ See Power Purchase Agreement By and Between Fire Island Wind, LLC as Seller and Chugach Electric Association, Inc. as Buyer, Dated as of September 21, 2011, filed September 23, 2011, with TA335-8.

³⁸ See Order No. U-11-100(5), issued October 10, 2011.

Table 4 FIW Recovery Calculation Breakdown		
Line	Description	Amount
TOTAL FIW COSTS - Tariff Sheet No. 94.05		
1	Predicted FIW Purchases (kWh)	10,351,260
2	FIW PPA Purchased Power Rate (\$/kWh)	\$ 0.0970
3	Total FIW Costs	\$ 1,004,072
4	Predicted Retail Sales at Generation & Purchases (kWh)	521,725,000
5	Total FIW Costs per kWh	\$ 0.001920
BASE FIW AMOUNT - Tariff Sheet No. 94.05		
6	Retail Avoided Cost at G&T (\$/kWh)	\$ 0.05463
7	Base FIW Renewable Resource Cost (Line 1 x Line 6)	\$ 565,471
8	Predicted Retail Sales at G&T (kWh)	521,725,000
9	Total Base FIW Amount per kWh (\$/kWh)	\$ 0.00108
DIFFERENTIAL FIW AMOUNT - Tariff Sheet No. 94.05		
10	Differential FIW Costs (Line 3 - Line 7)	\$ 438,602
11	Predicted Retail Sales at G&T (kWh)	521,725,000
12	Total Differential FIW Amount per kWh (\$/kWh)	\$ 0.00084
PRIMARY VOLTAGE - Tariff Sheet No. 94.1		
13	Total Primary kWh Sales at G&T (kWh) - Tariff Sheet No. 94.1	69,778,794
14	FIW Costs (Line 12 x Line 13)	\$ 58,614
15	Total Primary Sales at Delivery (kWh)	67,555,431
16	FIW \$/kWh at Primary Voltage (Line 14 ÷ Line 15)	\$ 0.00087
SECONDARY VOLTAGE - Tariff Sheet No. 94.1.1		
17	Total Secondary kWh Sales at G&T (kWh)	438,343,765
18	FIW Costs (Line 12 x Line 17)	\$ 368,209
19	Total Secondary Sales at Delivery (kWh)	421,216,005
20	FIW \$/kWh at Secondary Voltage (Line 14 ÷ Line 15)	\$ 0.00087

Chugach purchased a total of 14,188 MWh from the FIW project during fourth quarter 2020. Chugach curtailed 4 MWh during times when resources to offset unexpected wind production were unavailable. Chugach indicates that records show that since inception, the capacity factor of the FIW project has averaged 32 percent. To date Chugach has curtailed approximately 6.9 percent of the project energy. In addition, in December 2020, Chugach received \$70,916 from the sale of renewable energy certificates.³⁹

Table 5 summarizes the FIW MWh Purchased.⁴⁰

³⁹ See tariff advice letter filed with TA501-8, at pages 4 and 5.

⁴⁰ *Id.*, at page 5.

Table 5
Fire Island Wind Summary

Month	Capacity Factor	Real Net Electric Energy Delivered to Chugach	Curtailed (Deemed Energy)	Total Energy (Real + Deemed)
Jul-19	10%	1,321.72	170.65	1,492.37
Aug-19	9%	1,203.23	730.39	1,933.62
Sep-19	20%	2,533.17	589.25	3,122.42
Jan-20	34%	4,397.79	0.01	4,397.80
Feb-20	42%	5,161.28	0.29	5,161.57
Mar-20	25%	3,257.09	0.02	3,257.11
Apr-20	27%	3,469.10	19.87	3,488.97
May-20	28%	3,623.44	137.20	3,760.64
Jun-20	26%	3,305.55	374.99	3,680.54
Jul-20	16%	2,151.57	63.87	2,215.44
Aug-20	24%	3,120.43	74.80	3,195.23
Sep-20	26%	3,291.81	81.77	3,373.58
Oct-20	30%	3,895.24	0.02	3,895.26
Nov-20	33%	4,172.13	3.99	4,176.12
Dec-20	47%	6,116.32	0.03	6,116.35
Total	29.8%	45,961.75	756.86	46,718.59

RRR Rebate Increase (Tariff Sheet Nos. 71 and 93)

The stipulation filed in U-18-102, U-19-020, and U-19-021, and approved in relevant part by Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) (Order No. 44),⁴¹ stated that beginning with Chugach's first COPA filing for the ML&P legacy service area following closing, Chugach shall include a credit to the calculated COPA for ML&P legacy service area customers. Order No. 44 instructed Chugach for the quarterly disbursements for the RRR Account. With TA492-8, Chugach added the methodology for the disbursement of the RRR account.

With TA381-121 and TA501-8, Chugach proposes an RRR Rebate of (\$0.01309) per kWh, an increase from the current RRR Rebate of (\$0.01160) per kWh. Staff notes that the rebate only applies to North District customers; however, Chugach lists it in both tariffs. Staff confirmed that the proposed RRR rebate was calculated accurately, using Chugach's approved methodology, and that the tariff sheets are correct. Therefore, Staff recommends the Commission approve Tariff Sheet Nos. 71 and 93.

BRU Contributed Capital Rebate and Surcharge (Tariff Sheet Nos. 72 and 96)

With Order No. 44 the Commission required Chugach to rebate \$136 million of the net capital contribution to North District ratepayers, which the Commission determined was

⁴¹ Order No. 44 at 135-139.

more equitable and reasonable than the Restated BRU Agreement filed in the acquisition. That order instructed Chugach to collect a surcharge from its South District customers and disburse a rebate to its North District customer related the BRU contributed capital. Order No. 44 also set out a methodology for the surcharge and rebate.⁴² With TA493-8, Chugach added the methodology for the collection of the surcharge and disbursement of the rebate in compliance with Order No. 44.

With TA381-121 and TA501-8, Chugach proposes a BRU Contributed Capital surcharge of \$0.01605 per kWh, an increase from the current surcharge of \$0.01497 per kWh, and a BRU Contributed Capital rebate of (\$0.01921) per kWh, an increase from the current rebate of (\$0.01702) per kWh. Staff confirmed that the proposed BRU Contributed Capital surcharge and rebate were calculated accurately, using Chugach's approved methodology, and that the tariff sheets are correct. Therefore, Staff recommends the Commission approve Tariff Sheet Nos. 72 and 96.

SFPPR Increase (Tariff Sheet Nos. 103 and 97)

Chugach determines separate SFPPRs for the avoided cost at retail primary voltage and retail secondary voltage.⁴³ The base avoided cost, the avoided cost at generation and transmission (G&T), is calculated by dividing the sum of fuel and purchased power expense (excluding Bradley Lake and FIW) predicted for the next quarter in the determination of fuel and purchased power rates, non-fuel variable operations and maintenance expense, and the balance of the avoided cost balancing account by the kWh sales at G&T as predicted for the next quarter.⁴⁴

To determine the avoided cost at retail primary voltage, Chugach multiplies the avoided cost at G&T by the quotient of retail primary kWh sales at G&T divided by retail primary kWh sales at delivery.⁴⁵ To determine the avoided cost at retail secondary voltage, Chugach multiplies the avoided cost at G&T by the quotient of retail secondary kWh sales at G&T divided by retail secondary kWh sales at delivery.⁴⁶

With TA381-121 and TA501-8 Chugach proposes a SFPPR for retail Primary voltage of \$0.05643/kWh, an increase from the currently approved SFPPR of \$0.03502/kWh⁴⁷ and proposes a SFPPR for retail Secondary voltage of \$0.05685/kWh, an increase from the currently approved SFPPR of \$0.04117/kWh.⁴⁸ Staff confirmed that the proposed SFPPR was calculated accurately, using Chugach's approved methodology, and that the tariff sheet is correct. Therefore, Staff recommends that the Commission approve Tariff Sheet Nos. 103 and 97.

⁴² See Order No. 44 at pages 101-103.

⁴³ See side-by-side Tariff Sheet No. 97, attached as BA-1.

⁴⁴ *Id.*, at lines 1-5.

⁴⁵ *Id.*, at lines 7.a-c.

⁴⁶ *Id.*, at lines 8.a-c.

⁴⁷ *Id.*, at line 7.c.

⁴⁸ *Id.*, at line 8.c.

Docket Nos. U-19-085 and U-19-091

On August 28, 2019, Chugach filed TA474-8, proposing to update its GTP. In that filing, Chugach proposed to update its methodology based on updated gas reserve and asset retirement obligation studies. On October 14, 2019, the Commission issued Order No. U-19-085(2)/U-19-091(1) suspending TA474-8 for further investigation and consolidating it with Docket No. U-19-085, the Municipality of Anchorage d/b/a Municipal Light and Power's update to its GTP. With that order, the Commission approved Chugach's GTP on an interim and refundable basis, effective November 1, 2019. In TA488-8, Chugach revised its interim and refundable GTP. On July 28, 2020, the Commission issued Order No. U-19-085(16)/U-19-091(15), suspending TA488-8 and TA489-8 (Chugach's third quarter COPA filing) and approving an updated GTP on an interim and refundable basis, effective July 1, 2020. On August 26, 2020, Chugach filed TA494-8, proposing a unified GTP methodology. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission.

Staff notes that the COPA and SFPPR proposed with TA381-121 and TA501-8 are calculated using the GTP proposed in TA500-8. Therefore, Staff recommends that the Commission suspend TA381-121 into Docket No. U-19-085 and TA501-8 into Docket No. U-19-091.

CONCLUSION

With TA381-121 and TA501-8, Chugach requests approval of its revised COPA surcharges and SFPPR rates for the period beginning April 1, 2021. Staff has verified the proposed surcharges and rates were calculated accurately using Chugach's approved methodologies, the proper support was filed, and the tariff sheets are correct. Therefore, Staff recommends the Commission:

1. Suspend TA381-121 into Docket No. U-19-085.
2. Suspend TA501-8 into Docket No. U-19-091.
3. Approve the COPA surcharges and SFPPRs on an interim and refundable basis, effective April 1, 2021.
4. Approve Tariff Sheet Nos. 66 through 73, and Tariff Sheet No. 103, February 16, 2021, by Chugach with TA381-121. The effective date of the tariff sheets should be April 1, 2021.
5. Approve Tariff Sheet Nos. 93, 94, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95, 95.04, 95.05, 95.5, 96, 97, 97.1.4, 97.5.2, and 97.6.1, filed February 16, 2021, by Chugach with TA501-8. The effective date of the tariff sheets should be April 1, 2021.

Signature: Keith Kurber II
Keith Kurber II (Mar 30, 2021 09:10 AKDT)

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TA381-121 and TA501-8 Chugach
3/23/2021
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Janis W. Wilson (Mar 30, 2021 10:26 AKDT)

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Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

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e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning January 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,540,716	\$4,426,616	\$114,099
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017-33/2033)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$11,854,581	\$11,556,699	\$297,882
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,095,805	\$1,068,270	\$27,535
CINGSA - Gas Withdrawn	\$5,178,389	\$5,048,266	\$130,123
Gas Transportation and Compression	\$2,229,424	\$2,173,403	\$56,021
	\$24,898,915	\$24,273,254	\$625,661
Less Credits			
Economy Sales: Fuel and Margins	(\$353,290)	(\$344,412)	(\$8,877)
Wheeling Revenue	(\$325,359)	(\$317,183)	(\$8,176)
AWWU Water Sales	(\$105,000)	(\$102,362)	(\$2,638)
Gas Exchange Revenue	(\$82,626)	(\$80,550)	(\$2,076)
Subtotal	(\$866,275)	(\$844,507)	(\$21,768)
Net Fuel Expense	\$24,032,640	\$23,428,747	\$603,893
Generation & Purchases (MWh)	574,885.3	560,831.2	14,054.0
Cost per MWh at Generation	\$41.80	\$41.78	\$42.97
Projected Balances as of December 31, 2020	(\$1,913,870)	(\$1,913,870)	\$0
Fuel Expense to be Recovered at G&T	\$22,118,771	\$21,514,877	\$603,893
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4
Fuel Adjustment Factor per kWh at G&T	\$0.03947	\$0.03936	----

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

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D = Sheet 66, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021
 Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
 U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 2nd Sheet No. 66
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 1st Sheet No. 66



Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning April 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,321,443	\$4,196,072	\$125,371
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017-33/2033)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$12,535,996	\$12,172,309	\$363,687
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,080,674	\$1,049,322	\$31,352
CINGSA - Gas Withdrawn	\$259,665	\$252,131	\$7,533
Gas Transportation and Compression	\$2,078,974	\$2,018,660	\$60,314
	\$20,276,752	\$19,688,495	\$588,258
Less Credits			
Economy Sales: Fuel and Margins	(\$587,937)	(\$570,880)	(\$17,057)
Wheeling Revenue	(\$165,388)	(\$160,590)	(\$4,798)
AWWU Water Sales	(\$105,000)	(\$101,954)	(\$3,046)
Gas Exchange Revenue	(\$56,598)	(\$54,956)	(\$1,642)
Subtotal	(\$914,924)	(\$888,381)	(\$26,543)
Net Fuel Expense	\$19,361,828	\$18,800,114	\$561,714
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0
Cost per MWh at Generation	\$36.06	\$36.03	\$36.76
Projected Balances as of March 31, 2021	\$2,613,571	\$2,613,571	\$0
Fuel Expense to be Recovered at G&T	\$21,975,399	\$21,413,685	\$561,714
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6
Fuel Adjustment Factor per kWh at G&T	\$0.04202	\$0.04214	----* I, I

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021
 Chugach Electric Association, Inc.
 P.O. Box 196300 Anchorage, Alaska 99519-6300

TA381-121 and TA501-8

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**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

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e.2. Purchased Power Adjustment Factor: Predicted costs for the quarter beginning January 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,825,142	\$2,754,152	\$70,990
Base FIW Renewable Resource Cost	\$1,512,083	\$1,512,083	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,895	\$3,116
Subtotal	\$4,461,236	\$4,387,130	\$74,106
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$119,762)	(\$116,752)	(\$3,009)
Subtotal	(\$119,762)	(\$116,752)	(\$3,009)
Net Purchased Power Expense	\$4,341,475	\$4,270,378	\$71,097
Generation & Purchases (MWh)	574,885	560,831	14,054
Cost per MWh at Generation	\$7.55	\$7.61	\$5.06
Projected Balances as of December 31, 2020	(\$1,061,695)	(\$1,061,695)	\$0
Purchased Power Expense to be Recovered	\$3,279,780	\$3,208,683	\$71,097
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4
Purchased Power Adjustment Factor			
per kWh at G&T	\$0.00585	\$0.00587	----*

* Not calculated. Seward is billed for cost of power on a monthly basis.

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Sheet No. 67

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning April 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,961,627	\$2,875,706	\$85,921
Base FIW Renewable Resource Cost	\$1,004,072	\$1,004,072	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,413	\$3,598
Subtotal	\$4,089,710	\$4,000,191	\$89,519
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$165,364)	(\$160,567)	(\$4,797)
Subtotal	(\$165,364)	(\$160,567)	(\$4,797)
Net Purchased Power Expense	\$3,924,346	\$3,839,624	\$84,721
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0
Cost per MWh at Generation	\$7.31	\$7.36	\$5.54
Projected Balances as of March 31, 2021	(\$1,362,174)	(\$1,362,174)	\$0
Purchased Power Expense to be Recovered	\$2,562,172	\$2,477,450	\$84,721
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6
Purchased Power Adjustment Factor			
per kWh at G&T	\$0.00490	\$0.00488	----* R, R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

D = Sheet 67, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

TA381-121 and TA501-8

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

D, N

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning January 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	15,588.5	15,588.5	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,512,083	\$1,512,083	----
Chugach Avoided Energy Cost at G&T (MWh)	\$34.77	\$34.77	----
Estimated Cost Avoided Due to FIW Purchases	\$541,954	\$541,954	----
Fire Island Wind Cost Differential	\$970,129	\$970,129	----
Chugach Retail Generation & Purchases (MWh)	560,831.2	560,831.2	----
Cost per MWh at Generation	\$1.73	\$1.73	----
Predicted Sales at G&T (MWh)	560,831.2	560,831.2	----
FIW Adjustment Factor per kWh at G&T	\$0.00173	\$0.00173	----

**e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective January 1, 2021**

Fuel & Purch. Pwr Costs to be Recovered	\$29,344,245	\$28,669,254	\$674,990
Generation & Purchases (MWh)	574,885.3	560,831.2	14,054.0
Cost per MWh at Generation	\$51.04	\$51.12	----
Projected Balances as of December 31, 2020	(\$2,975,565)	(\$2,975,565)	\$0
Total Costs Recovered at G&T	\$26,368,680	\$25,693,690	\$674,990
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4
Fuel and Purchased Power Adjustment Factor per kWh at G&T	\$0.04706	\$0.04700	---- *

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

D, N

D = Sheet 68, Original

Tariff Advice No.: 380-121

Issued by:

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Pursuant to U-19-085(23)/
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Chugach Electric Association, Inc.

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning April 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	10,351.3	10,351.3	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,004,072	\$1,004,072	----
Chugach Avoided Energy Cost at G&T (MWh)	\$54.63	\$54.63	----
Estimated Cost Avoided Due to FIW Purchases	\$565,471	\$565,471	----
Fire Island Wind Cost Differential	\$438,601	\$438,601	----
Chugach Retail Generation & Purchases (MWh)	521,725.0	521,725.0	----
Cost per MWh at Generation	\$0.84	\$0.84	----
Predicted Sales at G&T (MWh)	521,725.0	521,725.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00084	\$0.00084	----

R, R

**e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective April 1, 2021**

Fuel & Purch. Pwr Costs to be Recovered	\$23,724,775	\$23,078,339	\$646,436
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0
Cost per MWh at Generation	\$44.18	\$44.23	----
Projected Balances as of March 31, 2021	\$1,251,397	\$1,251,397	\$0
Total Costs Recovered at G&T	\$24,976,172	\$24,329,736	\$646,436
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6
Fuel and Purchased Power Adjustment Factor per kWh at G&T	\$0.04776	\$0.04788	---- *

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 381-121

Issued by:

Effective: April 1, 2021

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Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE

D, N

e.5. Chugach retail cost of power adjustment factors for rates effective January 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$25,693,690
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.03936
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00587
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00173
5. Chugach Retail Service at Primary Voltage	
A. Fuel Adjustment Factor	
a) Primary kWh Sales at G&T	67,994,670.5
b) Fuel Cost Recovery - Primary Voltage	\$2,676,270
c) Primary kWh Sales at Delivery	67,506,846.1
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.03964</u>
(Percent Primary Distribution Losses at G&T: 0.72%)	
B. Purchased Power Adjustment Factor	
a) Primary kWh Sales at G&T	67,994,670.5
b) Purchased Power Cost Recovery - Primary Voltage	\$399,129
c) Primary kWh Sales at Delivery	67,506,846.1
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00591</u>
C. Fire Island Wind Renewable Energy Adjustment Factor	
a) Primary kWh Sales at G&T	67,994,670.5
b) FIW Cost Differential - Primary Voltage	\$117,631
c) Primary kWh Sales at Delivery	67,506,846.1
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00174</u>
D. Total Retail Service at Primary Voltage Delivery	\$0.04729

D, N

D = Sheet 69, Original

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Pursuant to U-19-085(23)/ U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300
Effective: January 1, 2021

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Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE

e.5. Chugach retail cost of power adjustment factors for rates effective April 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$24,329,736
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04214
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00488
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00084
5. Chugach Retail Service at Primary Voltage	
A. Fuel Adjustment Factor	
a) Primary kWh Sales at G&T	69,778,794.1
b) Fuel Cost Recovery - Primary Voltage	\$2,940,478
c) Primary kWh Sales at Delivery	67,555,431.2
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04353</u> I
(Percent Primary Distribution Losses at G&T: 3.19%)	
B. Purchased Power Adjustment Factor	
a) Primary kWh Sales at G&T	69,778,794.1
b) Purchased Power Cost Recovery - Primary Voltage	\$340,521
c) Primary kWh Sales at Delivery	67,555,431.2
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00504</u> R
C. Fire Island Wind Renewable Energy Adjustment Factor	
a) Primary kWh Sales at G&T	69,778,794.1
b) FIW Cost Differential - Primary Voltage	\$58,614
c) Primary kWh Sales at Delivery	67,555,431.2
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00087</u> R
D. Total Retail Service at Primary Voltage Delivery	\$0.04944 I

Tariff Advice No.: 381-121 Issued by: Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300
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**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

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e.6. Chugach retail cost of power adjustment factors for rates effective January 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	478,683,079.4	
b) Fuel Cost Recovery - Secondary Voltage	\$18,840,966	
c) Secondary kWh Sales at Delivery	471,709,086.5	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.03994</u>	
(Percent Secondary Distribution Losses at G&T: 1.46%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	478,683,079.4	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,809,870	
c) Predicted Secondary kWh Sales at Delivery	471,709,086.5	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00596</u>	

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	478,683,079.4	
b) FIW Cost Differential - Secondary Voltage	\$828,122	
c) Predicted Secondary kWh Sales at Delivery	471,709,086.5	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00176</u>	

D. Total Retail Service at Secondary Voltage Delivery \$0.04766

D, N

RCA NO.: 121 2nd Revision Canceling Sheet No. 70
1st Revision 1st Revision Sheet No. 70



Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective April 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	438,343,765.0	
b) Fuel Cost Recovery - Secondary Voltage	\$18,471,806	
c) Secondary kWh Sales at Delivery	421,216,005.3	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04385</u>	I
(Percent Secondary Distribution Losses at G&T: 3.91%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	438,343,765.0	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,139,118	
c) Predicted Secondary kWh Sales at Delivery	421,216,005.3	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00508</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	438,343,765.0	
b) FIW Cost Differential - Secondary Voltage	\$368,209	
c) Predicted Secondary kWh Sales at Delivery	421,216,005.3	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00087</u>	R

D. Total Retail Service at Secondary Voltage Delivery \$0.04980 I

Tariff Advice No.: 381-121

Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: April 1, 2021

D = Sheet 70, Original

Tariff Advice No. 380-121 Issued by: Chugach Electric Association, Inc.
Pursuant to U-19-085(23)/ U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300
Effective: January 1, 2021

RCA No. 121 1st Revision Sheet No. 71



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Sheet No. 71

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

D, N

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, all interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The rebate amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01160) per kWh

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

D = Sheet 71, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5) Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 2nd Revision Sheet No. 71



Canceling

1st Revision Sheet No. 71

Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01309) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA No. 121 1st Revision Sheet No. 72



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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

D, N

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,129,122, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,129,122 reflecting amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,129,122 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge: \$0.01497 per kWh

North District BRU Contributed Capital Rebate: (\$0.01702) per kWh

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

D = Sheet 72, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5) Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 2nd Revision Sheet No. 72



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1st Revision Sheet No. 72

Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,129,122, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,129,122 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,129,122 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge: \$0.01605 per kWh I

North District BRU Contributed Capital Rebate: (\$0.01921) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

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RCA No. 121 1st Revision Sheet No. 73



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STATE OF ALASKA
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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

D, N

	South District		North District	
	Primary	Secondary	Primary	Secondary
Fuel Rate	\$0.03964	\$0.03994	\$0.03964	\$0.03994
Purchased Power Rate	\$0.00591	\$0.00596	\$0.00591	\$0.00596
FIW Adj Factor	\$0.00174	\$0.00176	\$0.00174	\$0.00176
Subtotal	\$0.04729	\$0.04766	\$0.04729	\$0.04766
BRU Contributed Capital	\$0.01497	\$0.01497	(\$0.01702)	(\$0.01702)
Subtotal	\$0.06226	\$0.06263	\$0.03027	\$0.03064
RRR Rebate	---		(\$0.01160)	(\$0.01160)
Total per kWh Rate	\$0.06226	\$0.06263	\$0.01867	\$0.01904

D, N

RCA NO.: 121 2nd Revision Sheet No. 73



Canceling

1st Revision Sheet No. 73



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04353	\$0.04385	\$0.04353	\$0.04385	I, I, I, I
Purchased Power Rate	\$0.00504	\$0.00508	\$0.00504	\$0.00508	R, R, R, R
FIW Adj Factor	\$0.00087	\$0.00087	\$0.00087	\$0.00087	R, R, R, R
Subtotal	\$0.04944	\$0.04980	\$0.04944	\$0.04980	I, I, I, I
BRU Contributed Capital	\$0.01605	\$0.01605	(\$0.01921)	(\$0.01921)	I, I, I, I
Subtotal	\$0.06549	\$0.06585	\$0.03023	\$0.03059	I, I, R, R
RRR Rebate	---	---	(\$0.01309)	(\$0.01309)	I, I
Total per kWh Rate	\$0.06549	\$0.06585	\$0.01715	\$0.01751	I, I, R, R

D = Sheet 73, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5)

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

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RCA No. 121 1st Revision Sheet No. 103



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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION, D, N
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$19,936,029
2. Non-fuel O&M expense	\$42,415
3. Balancing Account as of September 30, 2020	\$5,124
4. Total Avoided Cost Included in Rate	\$19,983,568
5. kWh Sales at G&T predicted for next quarter:	574,797,345
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.03477</u>
7. Avoided Cost at Retail Primary Voltage	
a) Retail Primary kWh Sales at G&T	67,994,670
(Percent Primary Distribution Losses at G&T: 2.03%)	
b) Retail Primary kWh Sales at Delivery	67,506,846
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.03502</u>
8. Avoided Cost at Retail Secondary Voltage	
a) Retail Secondary kWh Sales at G&T	478,683,079
(Percent Secondary Distribution Losses at G&T: 16.25%)	
b) Retail Secondary kWh Sales at Delivery	404,202,240
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.04117</u>

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

D, N

D = Sheet 103, Original

Tariff Advice No. 380-121 Issued by: Effective: January 1, 2021
Chugach Electric Association, Inc.
Pursuant to U-19-085(23)/ P.O. Box 196300 Anchorage, Alaska 99519-6300
U-19-091(22)/U-19-071(5)

RCA NO.: 121 2nd Revision Sheet No. 103



Canceling

1st Revision Sheet No. 103

Chugach Electric Association, Inc.



**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$19,320,475
2. Non-fuel O&M expense	\$84,656
3. Balancing Account as of December 31, 2020	\$3,357
4. Total Avoided Cost Included in Rate	\$19,408,489
5. kWh Sales at G&T predicted for next quarter:	355,282,850
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05463</u> I
7. Avoided Cost at Retail Primary Voltage	
a) Retail Primary kWh Sales at G&T	69,778,794
(Percent Primary Distribution Losses at G&T: 3.19%)	
b) Retail Primary kWh Sales at Delivery	67,555,431
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05643</u> I
8. Avoided Cost at Retail Secondary Voltage	
a) Retail Secondary kWh Sales at G&T	438,343,765
(Percent Secondary Distribution Losses at G&T: 3.91%)	
b) Retail Secondary kWh Sales at Delivery	421,216,005
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05685</u> I

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Tariff Advice No.: 381-121 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

TA381-121 and TA501-8

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RCA No. 8 5th Revision Sheet No. 93



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4th Revision

Sheet No. 93

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REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, all interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The rebate amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01160) per kWh

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RCA NO.: 8 6th Revision Sheet No. 93



Canceling

5th Revision

Sheet No. 93



Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01309) per kWh

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¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No.: 501-8


Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: April 1, 2021

Tariff Advice No. 498-8
Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5)

Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: January 1, 2021

RCA NO.: 8 163rd Sheet No. 94
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162nd Sheet No. 94

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REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

T

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning January 1, 2021


	Total	Retail	Seward	
Natural Gas Fuel Expense by Contract				L
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0	T
BRU	\$4,540,716	\$4,426,616	\$114,099	
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0	
Furie (5/2017-33/2033)	\$0	\$0	\$0	
Hilcorp Alaska, LLC (1/2015-3/2028)	\$11,854,581	\$11,556,699	\$297,882	
Other Fuel Expenses				
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0	
CINGSA - FSS, ISS and Fees	\$1,095,805	\$1,068,270	\$27,535	T
CINGSA - Gas Withdrawn	\$5,178,389	\$5,048,266	\$130,123	N
Gas Transportation and Compression	\$2,229,424	\$2,173,403	\$56,021	
	\$24,898,915	\$24,273,254	\$625,661	
Less Credits				
Economy Sales: Fuel and Margins	(\$353,290)	(\$344,412)	(\$8,877)	T
Wheeling Revenue	(\$325,359)	(\$317,183)	(\$8,176)	
AWWU Water Sales	(\$105,000)	(\$102,362)	(\$2,638)	N
Gas Exchange Revenue	(\$82,626)	(\$80,550)	(\$2,076)	N
Subtotal	(\$866,275)	(\$844,507)	(\$21,768)	
Net Fuel Expense	\$24,032,640	\$23,428,747	\$603,893	
Generation & Purchases (MWh)	574,885.3	560,831.2	14,054.0	
Cost per MWh at Generation	\$41.80	\$41.78	\$42.97	
Projected Balances as of December 31, 2020	(\$1,913,870)	(\$1,913,870)	\$0	
Fuel Expense to be Recovered at G&T	\$22,118,771	\$21,514,877	\$603,893	
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4	
Fuel Adjustment Factor per kWh at G&T	\$0.03947	\$0.03936	-----	R, R

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

T

L: The predicted power plant natural gas usage by contract has been relocated to the new Exhibit 12, and replaced with a summary of the natural gas predicted to be used by contract.

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 164th Sheet No. 94
 Canceling
163rd Sheet No. 94



Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning April 1, 2021

	Total	Retail	Seward	
Natural Gas Fuel Expense by Contract				
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0	
BRU	\$4,321,443	\$4,196,072	\$125,371	
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0	
Furie (5/2017-33/2033)	\$0	\$0	\$0	
Hilcorp Alaska, LLC (1/2015-3/2028)	\$12,535,996	\$12,172,309	\$363,687	
Other Fuel Expenses				
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0	
CINGSA - FSS, ISS and Fees	\$1,080,674	\$1,049,322	\$31,352	
CINGSA - Gas Withdrawn	\$259,665	\$252,131	\$7,533	
Gas Transportation and Compression	\$2,078,974	\$2,018,660	\$60,314	
	\$20,276,752	\$19,688,495	\$588,258	
Less Credits				
Economy Sales: Fuel and Margins	(\$587,937)	(\$570,880)	(\$17,057)	
Wheeling Revenue	(\$165,388)	(\$160,590)	(\$4,798)	
AWWU Water Sales	(\$105,000)	(\$101,954)	(\$3,046)	
Gas Exchange Revenue	(\$56,598)	(\$54,956)	(\$1,642)	
Subtotal	(\$914,924)	(\$888,381)	(\$26,543)	
Net Fuel Expense	\$19,361,828	\$18,800,114	\$561,714	
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0	
Cost per MWh at Generation	\$36.06	\$36.03	\$36.76	
Projected Balances as of March 31, 2021	\$2,613,571	\$2,613,571	\$0	
Fuel Expense to be Recovered at G&T	\$21,975,399	\$21,413,685	\$561,714	
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6	
Fuel Adjustment Factor per kWh at G&T	\$0.04202	\$0.04214	-----	I, I

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 43rd Revision Sheet No. 94.04



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42nd Revision Sheet No. 94.04

Chugach Electric Association, Inc.

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**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

T
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e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning January 1, 2021

T

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,825,142	\$2,754,152	\$70,990
Base FIW Renewable Resource Cost	\$1,512,083	\$1,512,083	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,895	\$3,116
Subtotal	\$4,461,236	\$4,387,130	\$74,106
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$119,762)	(\$116,752)	(\$3,009)
Subtotal	(\$119,762)	(\$116,752)	(\$3,009)
Net Purchased Power Expense	\$4,341,475	\$4,270,378	\$71,097
Generation & Purchases (MWh)	574,885	560,831	14,054
Cost per MWh at Generation	\$7.55	\$7.61	\$5.06
Projected Balances as of December 31, 2020	(\$1,061,695)	(\$1,061,695)	\$0
Purchased Power Expense to be Recovered	\$3,279,780	\$3,208,683	\$71,097
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4
Purchased Power Adjustment Factor per kWh at G&T	\$0.00585	\$0.00587	----* R, R

* Not calculated. Seward is billed for cost of power on a monthly basis.

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Tariff Advice No.: 498-8 Issued by: Chugach Electric Association, Inc
Pursuant to U-19-085(23)/ U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 44th Revision Sheet No. 94.04



Canceling

43rd Revision Sheet No. 94.04

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning April 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,961,627	\$2,875,706	\$85,921
Base FIW Renewable Resource Cost	\$1,004,072	\$1,004,072	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,413	\$3,598
Subtotal	\$4,089,710	\$4,000,191	\$89,519
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$165,364)	(\$160,567)	(\$4,797)
Subtotal	(\$165,364)	(\$160,567)	(\$4,797)
Net Purchased Power Expense	\$3,924,346	\$3,839,624	\$84,721
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0
Cost per MWh at Generation	\$7.31	\$7.36	\$5.54
Projected Balances as of March 31, 2021	(\$1,362,174)	(\$1,362,174)	\$0
Purchased Power Expense to be Recovered	\$2,562,172	\$2,477,450	\$84,721
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6
Purchased Power Adjustment Factor per kWh at G&T	\$0.00490	\$0.00488	----* R, R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No.: 501-8 Issued by: Chugach Electric Association, Inc
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RCA NO.: 8 53rd Revision Sheet No. 94.05



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52nd Revision

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

T
N

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning January 1, 2021

N

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	15,588.5	15,588.5	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,512,083	\$1,512,083	----
Chugach Avoided Energy Cost at G&T (MWh)	\$34.77	\$34.77	----
Estimated Cost Avoided Due to FIW Purchases	\$541,954	\$541,954	----
Fire Island Wind Cost Differential	\$970,129	\$970,129	----
Chugach Retail Generation & Purchases (MWh)	560,831.2	560,831.2	----
Cost per MWh at Generation	\$1.73	\$1.73	----
Predicted Sales at G&T (MWh)	560,831.2	560,831.2	----
FIW Adjustment Factor per kWh at G&T	\$0.00173	\$0.00173	----

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective January 1, 2021

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N

Fuel & Purch. Pwr Costs to be Recovered	\$29,344,245	\$28,669,254	\$674,990
Generation & Purchases (MWh)	574,885.3	560,831.2	14,054.0
Cost per MWh at Generation	\$51.04	\$51.12	----
Projected Balances as of December 31, 2020	(\$2,975,565)	(\$2,975,565)	\$0
Total Costs Recovered at G&T	\$26,368,680	\$25,693,690	\$674,990
Predicted Sales at G&T (MWh)	560,377.1	546,677.7	13,699.4
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04706	\$0.04700	---- * R, R

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

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Tariff Advice No.: 498-8

Issued by:

Effective: January 1, 2021

Pursuant to U-19-085(23)/
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Chugach Electric Association, Inc.

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RCA NO.: 8 54th Revision Sheet No. 94.05



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53rd Revision

Sheet No. 94.05



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning April 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	10,351.3	10,351.3	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,004,072	\$1,004,072	----
Chugach Avoided Energy Cost at G&T (MWh)	\$54.63	\$54.63	----
Estimated Cost Avoided Due to FIW Purchases	\$565,471	\$565,471	----
Fire Island Wind Cost Differential	\$438,601	\$438,601	----
Chugach Retail Generation & Purchases (MWh)	521,725.0	521,725.0	----
Cost per MWh at Generation	\$0.84	\$0.84	----
Predicted Sales at G&T (MWh)	521,725.0	521,725.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00084	\$0.00084	----

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective April 1, 2021

Fuel & Purch. Pwr Costs to be Recovered	\$23,724,775	\$23,078,339	\$646,436
Generation & Purchases (MWh)	537,004.0	521,725.0	15,279.0
Cost per MWh at Generation	\$44.18	\$44.23	----
Projected Balances as of March 31, 2021	\$1,251,397	\$1,251,397	\$0
Total Costs Recovered at G&T	\$24,976,172	\$24,329,736	\$646,436
Predicted Sales at G&T (MWh)	523,003.2	508,122.6	14,880.6
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04776	\$0.04788	---- * I, I

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 501-8

Issued by:

Effective: April 1, 2021

Chugach Electric Association, Inc.

P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 99th Revision Sheet No. 94.1



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**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE**

T

N

e.5. Chugach retail cost of power adjustment factors for rates effective January 1, 2021 T

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$25,693,690	
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.03936	
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00587	
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00173	
5. Chugach Retail Service at Primary Voltage		
A. Fuel Adjustment Factor		
a) Primary kWh Sales at G&T	67,994,670.5	
b) Fuel Cost Recovery - Primary Voltage	\$2,676,270	
c) Primary kWh Sales at Delivery	67,506,846.1	
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.03964</u>	T, R
(Percent Primary Distribution Losses at G&T: 0.72%)		
B. Purchased Power Adjustment Factor		
a) Primary kWh Sales at G&T	67,994,670.5	
b) Purchased Power Cost Recovery - Primary Voltage	\$399,129	
c) Primary kWh Sales at Delivery	67,506,846.1	
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00591</u>	T, R
C. Fire Island Wind Renewable Energy Adjustment Factor		
a) Primary kWh Sales at G&T	67,994,670.5	
b) FIW Cost Differential - Primary Voltage	\$117,631	
c) Primary kWh Sales at Delivery	67,506,846.1	
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00174</u>	T, R
D. Total Retail Service at Primary Voltage Delivery	\$0.04729	R

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Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 100th Revision Sheet No. 94.1



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99th Revision Sheet No. 94.1

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE**

e.5. Chugach retail cost of power adjustment factors for rates effective April 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$24,329,736	
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04214	
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00488	
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00084	
5. Chugach Retail Service at Primary Voltage		
A. Fuel Adjustment Factor		
a) Primary kWh Sales at G&T	69,778,794.1	
b) Fuel Cost Recovery - Primary Voltage	\$2,940,478	
c) Primary kWh Sales at Delivery	67,555,431.2	
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04353</u>	I
(Percent Primary Distribution Losses at G&T: 3.19%)		
B. Purchased Power Adjustment Factor		
a) Primary kWh Sales at G&T	69,778,794.1	
b) Purchased Power Cost Recovery - Primary Voltage	\$340,521	
c) Primary kWh Sales at Delivery	67,555,431.2	
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00504</u>	R
C. Fire Island Wind Renewable Energy Adjustment Factor		
a) Primary kWh Sales at G&T	69,778,794.1	
b) FIW Cost Differential - Primary Voltage	\$58,614	
c) Primary kWh Sales at Delivery	67,555,431.2	
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00087</u>	R
D. Total Retail Service at Primary Voltage Delivery	\$0.04944	I

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc.
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RCA NO.: 8 38th Revision Sheet No. 94.1.1



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**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

T
N

e.6. Chugach retail cost of power adjustment factors for rates effective January 1, 2021

T

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	478,683,079.4	
b) Fuel Cost Recovery - Secondary Voltage	\$18,840,966	
c) Secondary kWh Sales at Delivery	471,709,086.5	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.03994</u>	T, R
(Percent Secondary Distribution Losses at G&T: 1.46%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	478,683,079.4	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,809,870	
c) Predicted Secondary kWh Sales at Delivery	471,709,086.5	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00596</u>	T, R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	478,683,079.4	
b) FIW Cost Differential - Secondary Voltage	\$828,122	
c) Predicted Secondary kWh Sales at Delivery	471,709,086.5	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00176</u>	T, R

D. Total Retail Service at Secondary Voltage Delivery \$0.04766 R

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Pursuant to U-19-085(23)/
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38th Revision Sheet No. 94.1.1



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective April 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	438,343,765.0	
b) Fuel Cost Recovery - Secondary Voltage	\$18,471,806	
c) Secondary kWh Sales at Delivery	421,216,005.3	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04385</u>	I
(Percent Secondary Distribution Losses at G&T: 3.91%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	438,343,765.0	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,139,118	
c) Predicted Secondary kWh Sales at Delivery	421,216,005.3	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00508</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	438,343,765.0	
b) FIW Cost Differential - Secondary Voltage	\$368,209	
c) Predicted Secondary kWh Sales at Delivery	421,216,005.3	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00087</u>	R

D. Total Retail Service at Secondary Voltage Delivery \$0.04980 I

Tariff Advice No.: 501-8

Issued by:
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Effective: April 1, 2021

RCA NO.: 8 Original Sheet No. 94.1.2



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**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		N
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.03964	\$0.03994	\$0.03964	\$0.03994	
Purchased Power Rate	\$0.00591	\$0.00596	\$0.00591	\$0.00596	
FIW Adj Factor	\$0.00174	\$0.00176	\$0.00174	\$0.00176	
Subtotal	\$0.04729	\$0.04766	\$0.04729	\$0.04766	
BRU Contributed Capital	\$0.01497	\$0.01497	(\$0.01702)	(\$0.01702)	
Subtotal	\$0.06226	\$0.06263	\$0.03027	\$0.03064	
RRR Rebate	---		(\$0.01160)	(\$0.01160)	
Total per kWh Rate	\$0.06226	\$0.06263	\$0.01867	\$0.01904	N

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5) Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 1st Revision Sheet No. 94.1.2



Canceling

Original Sheet No. 94.1.2

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04353	\$0.04385	\$0.04353	\$0.04385	I, I, I, I
Purchased Power Rate	\$0.00504	\$0.00508	\$0.00504	\$0.00508	R, R, R, R
FIW Adj Factor	\$0.00087	\$0.00087	\$0.00087	\$0.00087	R, R, R, R
Subtotal	\$0.04944	\$0.04980	\$0.04944	\$0.04980	I, I, I, I
BRU Contributed Capital	\$0.01605	\$0.01605	(\$0.01921)	(\$0.01921)	I, I, I, I
Subtotal	\$0.06549	\$0.06585	\$0.03023	\$0.03059	I, I, R, R
RRR Rebate	---	---	(\$0.01309)	(\$0.01309)	I, I
Total per kWh Rate	\$0.06549	\$0.06585	\$0.01715	\$0.01751	I, I, R, R

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc.
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RCA NO.: 8 161th Revision Sheet No. 95



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160th Revision Sheet No. 95

Chugach Electric Association, Inc.

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COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION

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f. 1. Actual fuel costs for the quarter ending September 30, 2020

Description	Total	Retail	Seward	
Fuel Adjustment Factor Balance as of June 30, 2020	\$338,934	\$338,934	\$0	
Fuel Expense for Quarter Ending September 30, 2020				L, T
BRU	\$826,964	\$783,619	\$43,346	T
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0	
Hilcorp Alaska, LLC (1/2015-3/2028)	\$10,264,153	\$9,725,859	\$538,294	
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0	
Furie (5/2017 - 3/2033)	\$0	\$0	\$0	
Emergency Generator and Diesel Fuel	\$0	\$0	\$0	
CINGSA - FSS, ISS and Fees	\$1,231,588	\$1,167,159	\$64,429	
CINGSA - Gas Withdrawn	\$125,770	\$119,144	\$6,626	T
Gas Transportation and Compression	\$851,439	\$806,810	\$44,630	
Adjustment	\$0	\$0	\$0	
Total Fuel and Transportation Expense	\$13,299,914	\$12,602,590	\$697,324	
Less Credits				
Economy Sales: Fuel and Margins	(\$1,050)	(\$996)	(\$54)	T
AWWU Water Sales Revenue	\$0	\$0	\$0	D, N
Gas Exchange Revenue	(\$93,015)	(\$88,147)	(\$4,867)	T
Pooling Agreement - MEA	\$0	\$0	\$0	N
Wheeling Revenue	(\$516,227)	(\$489,349)	(\$26,878)	
Subtotal	(\$610,291)	(\$578,492)	(\$31,799)	
Net Fuel Expense	\$12,689,623	\$12,024,097	\$665,526	
Generation & Purchases (MWh)	271,409	257,569	13,840	
Cost per MWh at Generation	\$46.75	\$46.68	\$48.09	
Total Fuel Cost Recovery	\$11,189,613	\$10,524,087	\$665,526	
Quarter Balance	\$1,500,010	\$1,500,010	\$0	

L: The power plant natural gas usage by contract detail has been relocated to the new Exhibit 12, and replaced with a summary of the natural gas predicted to be used by contract.

Tariff Advice No.: 498-8 Issued by: Chugach Electric Association, Inc. Effective: January 1, 2021
Pursuant to U-19-085(23)/ U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 162nd Revision Sheet No. 95



Canceling

161st Revision Sheet No. 95

Chugach Electric Association, Inc.



COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION

f. 1. Actual fuel costs for the quarter ending December 31, 2020

Description	Total	Retail	Seward
Fuel Adjustment Factor Balance as of September 30, 2020	(\$797,344)	(\$797,344)	\$0
Fuel Expense for Quarter Ending December 31, 2020			
BRU	\$3,164,751	\$3,069,821	\$94,929
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$11,476,620	\$11,101,877	\$374,743
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$307,623	\$299,421	\$8,202
Emergency Generator and Diesel Fuel	\$947	\$922	\$25
CINGSA - FSS, ISS and Fees	\$1,321,503	\$1,276,965	\$44,538
CINGSA - Gas Withdrawn	\$3,663,710	\$3,549,082	\$114,629
Gas Transportation and Compression	\$1,474,352	\$1,428,432	\$45,920
Adjustment	\$0	\$0	\$0
Total Fuel and Transportation Expense	\$21,409,505	\$20,726,520	\$682,986
Less Credits			
Economy Sales: Fuel and Margins	(\$386,846)	(\$376,377)	(\$10,469)
AWWU Water Sales Revenue	(\$103,931)	(\$101,157)	(\$2,774)
Gas Exchange Revenue	(\$229,564)	(\$222,786)	(\$6,778)
Pooling Agreement - MEA	\$0	\$0	\$0
Wheeling Revenue	(\$526,025)	(\$506,476)	(\$19,550)
Subtotal	(\$1,246,366)	(\$1,206,795)	(\$39,571)
Net Fuel Expense	\$20,163,140	\$19,519,725	\$643,415
Generation & Purchases (MWh)	487,277	472,660	14,618
Cost per MWh at Generation	\$41.38	\$41.30	\$44.02
Total Fuel Cost Recovery	\$20,381,579	\$19,738,164	\$643,415
Quarter Balance	(\$218,440)	(\$218,440)	\$0

Tariff Advice No.: 501-8 Issued by: Chugach Electric Association, Inc. Effective: April 1, 2021
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RCA NO.: 8 41st Revision Sheet No. 95.04



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40th Revision Sheet No. 95.04

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

T
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f.2. Actual purchased power costs for the quarter ending September 30, 2020

Description	Total	Retail	Seward
Purchased Power Adjustment Factor			
Balance as of June 30, 2020	\$1,602,472	\$1,602,472	\$0
Purchased Power Expense			
Bradley Lake Purchases	\$1,736,795	\$1,672,438	\$64,357
FIW Renewable Resource Expense	\$852,071	\$852,071	\$0
Non-Utility Generation	\$5,605	\$5,307	\$298
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$921,916	\$873,655	\$48,262
Subtotal	\$3,516,388	\$3,403,471	\$112,917

Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$138,989)	(\$131,762)	(\$7,227)
Subtotal	(\$138,989)	(\$131,762)	(\$7,227)

Net Purchased Power Expense	\$3,377,399	\$3,271,709	\$105,690
Generation & Purchases (MWh)	271,409	257,569	13,840
Cost per MWh at Generation	\$12.44	\$12.70	\$7.64

Purchased Power Cost Recovery	\$5,844,533	\$5,738,842	\$105,690
Quarter Balance	(\$2,467,133)	(\$2,467,133)	\$0

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 42nd Revision Sheet No. 95.04



Canceling

41st Revision Sheet No. 95.04



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.2. Actual purchased power costs for the quarter ending December 31, 2020

Description	Total	Retail	Seward
Purchased Power Adjustment Factor			
Balance as of September 30, 2020	(\$864,661)	(\$864,661)	\$0
Purchased Power Expense			
Bradley Lake Purchases	\$1,824,351	\$1,770,354	\$53,997
FIW Renewable Resource Expense	\$1,376,211	\$1,376,211	\$0
Non-Utility Generation	\$1,958	\$1,896	\$62
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$383,271	\$366,705	\$16,566
Subtotal	\$3,585,792	\$3,515,166	\$70,625

Less Purchased Power Credits			
Renewable Energy Certificates	(\$70,916)	(\$70,916)	\$0
Wheeling and Economy Revenue	(\$152,367)	(\$146,686)	(\$5,681)
Subtotal	(\$223,283)	(\$217,602)	(\$5,681)

Net Purchased Power Expense	\$3,362,509	\$3,297,565	\$64,944
Generation & Purchases (MWh)	487,277	472,660	14,618
Cost per MWh at Generation	\$6.90	\$6.98	\$4.44

Purchased Power Cost Recovery	\$6,142,716	\$6,077,772	\$64,944
Quarter Balance	(\$2,780,207)	(\$2,780,207)	\$0

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 50th Revision Sheet No. 95.05



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49th Revision Sheet No. 95.05

Chugach Electric Association, Inc.

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REGULATORY COMMISSION OF ALASKA

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

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f.3. Summary of Actual Cost of Power Adjustment Factor Balances

T

Description	Total	Retail	Seward
Fuel and Purchased Power Balance as of June 30, 2020	\$1,941,406	\$1,941,406	\$0
Balance for Quarter Ending September 30, 2020			
Fuel and Purchased Power Costs	\$16,067,022	\$15,295,806	\$771,216
Generation & Purchases (MWh)	271,409	257,569	13,840
Cost per MWh at Generation	\$59.20	\$59.39	\$55.72
Fuel and Purchased Power Recovery	\$17,034,145	\$16,262,929	\$771,216
Balance for Quarter Ended September 30, 2020	(\$967,123)	(\$967,123)	\$0
Cumulative Balance at Quarter Ended September 30, 2020	\$974,283	\$974,283	\$0

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 51st Revision Sheet No. 95.05



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50th Revision Sheet No. 95.05

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.3. Summary of Actual Cost of Power Adjustment Factor Balances

Description	Total	Retail	Seward
Fuel and Purchased Power Balance as of September 30, 2020	(\$1,662,005)	(\$1,662,005)	\$0
Balance from ML&P on October 30, 2020	\$184,578	\$184,578.00	\$0.00 N
Balance for Quarter Ending December 31, 2020			
Fuel and Purchased Power Costs	\$23,525,648	\$22,817,289	\$708,359
Generation & Purchases (MWh)	487,277	472,660	14,618
Cost per MWh at Generation	\$48.28	\$48.27	\$48.46
Fuel and Purchased Power Recovery	\$26,524,295	\$25,815,936	\$708,359
Balance for Quarter Ended December 31, 2020	(\$2,998,647)	(\$2,998,647)	\$0
Cumulative Balance at Quarter Ended December 31, 2020	(\$4,476,074)	(\$4,476,074)	\$0

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 99th Revision Sheet No. 95.5

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98th Revision Sheet No. 95.5

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKARCA NO.: 8 100th Revision Sheet No. 95.5

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99th Revision Sheet No. 95.5

Chugach Electric Association, Inc.



SUMMARY OF ACTUAL AND PROJECTED COST OF POWER POST ACQUISITION

T

Description	Actual - Quarter Ended September 2020			Projected - Quarter Ended March 2021			
	Volume ¹	Unit Cost	Total Cost	Volume	Unit Cost	Total Cost	
Fuel Expense							L
BRU	162,150	\$5.10	\$826,964	1,663,266	\$2.73	\$4,540,716	T
AIX Energy, LLC (4/2016-3/2024)	0	\$0.00	\$0	0	\$0.00	\$0	
Hilcorp Alaska, LLC (1/2015-3/2028)	1,370,381	\$7.49	\$10,264,153	1,582,721	\$7.49	\$11,854,581	
Cook Inlet Energy (2014-3/2023)	0	\$0.00	\$0	0	\$0.00	\$0	
Furie (5/2017 - 3/2033)	0	\$0.00	\$0	0	\$0.00	\$0	T
CINGSA - FSS, ISS and Fees	----	\$0.00	\$1,231,588	----	\$0.00	\$1,095,805	D, T
CINGSA - Gas Withdrawn	16,156	\$7.78	\$125,770	677,800	\$7.64	\$5,178,389	
Emergency Generator and Diesel Fuel	----	\$0.00	\$0	0	\$0.00	\$0	D, N
Gas Transportation and Compression	----	\$0.00	\$851,439	----	\$0.00	\$2,229,424	
Adjustment	0	\$0.00	\$0	0	\$0.00	\$0	
Subtotal	1,548,687	\$8.59	\$13,299,914	3,923,787	\$6.35	\$24,898,915	
Purchased Power Expense							
Bradley Lake Purchases, MWh	42,410	\$40.95	\$1,736,795	52,647	\$53.66	\$2,825,142	
FIW Renewable Resource Exp.	8,564	\$99.50	\$852,071	15,588	\$97.00	\$1,512,083	T
	0	\$0.00	\$5,605	0	\$0.00	\$0	
Other Purchases, MWh	10,016	\$92.05	\$921,916	0	\$0.00	\$124,011	
Subtotal	60,989	\$57.66	\$3,516,388	68,236	\$65.38	\$4,461,236	
Total Fuel & Purch. Power Expense	----	----	\$16,816,302	----	----	\$29,360,151	

¹ Fuel volumes from invoices.

L: The power plant natural gas usage by contract detail has been relocated to the new Exhibit 12, and replaced with a summary of the natural gas predicted to be used by contract.

D: Deleted the lines include: the line entitled "Gas Exchange Contributions (Tesoro and Furie)," and "CINGSA - ISS Capacity and Withdrawal Fees."

Tariff Advice No.: 498-8

Issued by:

Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5)

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

SUMMARY OF ACTUAL AND PROJECTED COST OF POWER POST ACQUISITION

Description	Actual - Quarter Ended December 2020			Projected - Quarter Ended June 2021			
	Volume ¹	Unit Cost	Total Cost	Volume	Unit Cost	Total Cost	
Fuel Expense							
BRU	1,033,138	\$3.06	\$3,164,751	1,274,762	\$3.39	\$4,321,443	
AIX Energy, LLC (4/2016-3/2024)	----	\$0.00	\$0	----	\$0.00	\$0	
Hilcorp Alaska, LLC (1/2015-3/2028)	1,532,259	\$7.49	\$11,476,620	1,660,397	\$7.55	\$12,535,996	
Cook Inlet Energy (2014-3/2023)	----	\$0.00	\$0	----	\$0.00	\$0	
Furie (5/2017 - 3/2033)	42,207	\$0.00	\$307,623	----	\$0.00	\$0	
CINGSA - FSS, ISS and Fees	----	\$0.00	\$1,321,503	----	\$0.00	\$1,080,674	
CINGSA - Gas Withdrawn	470,610	\$7.79	\$3,663,710	33,987	\$7.64	\$259,665	
Emergency Generator and Diesel Fuel	----	\$0.00	\$947	----	\$0.00	\$0	
Gas Transportation and Compression	----	\$0.00	\$1,474,352	----	\$0.00	\$2,078,974	
Adjustment	----	\$0.00	\$0	----	\$0.00	\$0	
Subtotal	3,078,214	\$6.96	\$21,409,505	2,969,146	\$6.83	\$20,276,752	
Purchased Power Expense							
Bradley Lake Purchases, MWh	60,745	\$30.03	\$1,824,351	79,695	\$37.16	\$2,961,627	
FIW Renewable Resource Exp.	14,184	\$97.03	\$1,376,211	10,351	\$97.00	\$1,004,072	
Non-Utility Generation	3	\$0.00	\$1,958	----	\$0.00	\$0	T
Other Purchases, MWh	4,353	\$88.04	\$383,271	----	\$0.00	\$124,011	
Subtotal	79,285	\$45.23	\$3,585,792	90,046	\$45.42	\$4,089,710	
Total Fuel & Purch. Power Expense	----	----	\$24,995,297	----	----	\$24,366,462	

¹ Fuel volumes from invoices.

Tariff Advice No.: 501-8

Issued by:

Effective: April 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA No. 8 28th Revision Sheet No. 96
 Canceling
 27th Revision Sheet No. 96



Chugach Electric Association, Inc.

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Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,129,122, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,129,122 reflecting amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,129,122 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge: \$0.01497 per kWh I

North District BRU Contributed Capital Rebate: (\$0.01702) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No. 498-8 Issued by: Effective: January 1, 2021
 Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
 U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 29th Revision Sheet No. 96
 Canceling
 28th Revision Sheet No. 96



Chugach Electric Association, Inc.



Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,129,122, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,129,122 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,129,122 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge: \$0.01605 per kWh I

North District BRU Contributed Capital Rebate: (\$0.01921) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
 Chugach Electric Association, Inc.
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RCA NO.: 8 143rd Revision Sheet No. 97



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142nd Revision Sheet No. 97

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

T

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$19,936,029	
2. Non-fuel O&M expense	\$42,415	
3. Balancing Account as of September 30, 2020	\$5,124	
4. Total Avoided Cost Included in Rate	\$19,983,568	
5. kWh Sales at G&T predicted for next quarter:	574,797,345	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.03477</u>	R
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	67,994,670	
(Percent Primary Distribution Losses at G&T: 0.72%)		
b) Retail Primary kWh Sales at Delivery	67,506,846	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.03502</u>	R
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	478,683,079	
(Percent Secondary Distribution Losses at G&T: 15.56%)		
b) Retail Secondary kWh Sales at Delivery	404,202,240	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.04117</u>	R

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

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Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 144th Revision Sheet No. 97



Canceling

143rd Revision Sheet No. 97

Chugach Electric Association, Inc.



**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$19,320,475	
2. Non-fuel O&M expense	\$84,656	
3. Balancing Account as of December 31, 2020	\$3,357	
4. Total Avoided Cost Included in Rate	\$19,408,489	
5. kWh Sales at G&T predicted for next quarter:	355,282,850	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05463</u>	I
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	69,778,794	
(Percent Primary Distribution Losses at G&T: 3.19%)		
b) Retail Primary kWh Sales at Delivery	67,555,431	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05643</u>	I
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	438,343,765	
(Percent Secondary Distribution Losses at G&T: 3.91%)		
b) Retail Secondary kWh Sales at Delivery	421,216,005	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05685</u>	I

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
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RCA NO.: 8 6th Revision Sheet No. 97.1.4



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5th Revision Sheet No. 97.1.4

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)**

T

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased	FIW
			Power	Adjustment Factor
October 1, 2019	\$0.06178	\$0.05868	\$0.00132	\$0.00178
November 1, 2019	\$0.06172	\$0.05862	\$0.00132	\$0.00178
January 1, 2020	\$0.06692	\$0.05799	\$0.00655	\$0.00238
April 1, 2020	\$0.06679	\$0.03845	\$0.02657	\$0.00177
July 1, 2020	\$0.06085	\$0.03874	\$0.02031	\$0.00180
October 1, 2020	\$0.06392	\$0.04548	\$0.01654	\$0.00190
Post Acquisition:				N
January 1, 2021	\$0.04696	\$0.03936	\$0.00587	\$0.00173 N

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021
Pursuant to U-19-085(23)/ Chugach Electric Association, Inc.
U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 7th Revision Sheet No. 97.1.4



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6th Revision Sheet No. 97.1.4



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)**

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased	FIW
			Power	Adjustment Factor
October 1, 2019	\$0.06178	\$0.05868	\$0.00132	\$0.00178
November 1, 2019	\$0.06172	\$0.05862	\$0.00132	\$0.00178
January 1, 2020	\$0.06692	\$0.05799	\$0.00655	\$0.00238
April 1, 2020	\$0.06679	\$0.03845	\$0.02657	\$0.00177
July 1, 2020	\$0.06085	\$0.03874	\$0.02031	\$0.00180
October 1, 2020	\$0.06392	\$0.04548	\$0.01654	\$0.00190
Post Acquisition:				
January 1, 2021	\$0.04696	\$0.03936	\$0.00587	\$0.00173
April 1, 2021	\$0.04786	\$0.04214	\$0.00488	\$0.00084 N

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021
Chugach Electric Association, Inc.
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RCA NO.: 8 6th Revision Sheet No. 97.5.2



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5th Revision Sheet No. 97.5.2

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Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL DELIVERY)

For Rates Effective	Primary Voltage (Rate per kWh)				T
	Total	Fuel	Purchased Power	FIW Adjustment Factor	
October 1, 2019	\$0.06720	\$0.06382	\$0.00144	\$0.00194	
November 1, 2019	\$0.06714	\$0.06376	\$0.00144	\$0.00194	
January 1, 2020	\$0.06862	\$0.05946	\$0.00672	\$0.00244	
April 1, 2020	\$0.06822	\$0.03927	\$0.02714	\$0.00181	
July 1, 2020	\$0.06805	\$0.04333	\$0.02271	\$0.00201	
October 1, 2020	\$0.06791	\$0.04832	\$0.01757	\$0.00202	
Post Acquisition:					N
January 1, 2021	\$0.04729	\$0.03964	\$0.00591	\$0.00174	N

Tariff Advice No.: 498-8 Issued by: Effective: January 1, 2021

Pursuant to U-19-085(23)/
U-19-091(22)/U-19-071(5) Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 7th Revision Sheet No. 97.5.2



Canceling

6th Revision Sheet No. 97.5.2



Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL DELIVERY)

For Rates Effective	Primary Voltage (Rate per kWh)				T
	Total	Fuel	Purchased Power	FIW Adjustment Factor	
October 1, 2019	\$0.06720	\$0.06382	\$0.00144	\$0.00194	
November 1, 2019	\$0.06714	\$0.06376	\$0.00144	\$0.00194	
January 1, 2020	\$0.06862	\$0.05946	\$0.00672	\$0.00244	
April 1, 2020	\$0.06822	\$0.03927	\$0.02714	\$0.00181	
July 1, 2020	\$0.06805	\$0.04333	\$0.02271	\$0.00201	
October 1, 2020	\$0.06791	\$0.04832	\$0.01757	\$0.00202	
Post Acquisition:					N
January 1, 2021	\$0.04729	\$0.03964	\$0.00591	\$0.00174	
April 1, 2021	\$0.04944	\$0.04353	\$0.00504	\$0.00087	N

Tariff Advice No.: 501-8 Issued by: Effective: April 1, 2021

Chugach Electric Association, Inc.
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RCA NO.: 8 6th Revision Sheet No. 97.6.1



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Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)

T

For Rates Effective	Total	Secondary Voltage (Rate per kWh)			T
		Fuel	Purchased Power	FIW Adjustment Factor	
October 1, 2019	\$0.06770	\$0.06430	\$0.00145	\$0.00195	
November 1, 2019	\$0.06764	\$0.06424	\$0.00145	\$0.00195	
January 1, 2020	\$0.06913	\$0.05990	\$0.00677	\$0.00246	
April 1, 2020	\$0.06873	\$0.03957	\$0.02734	\$0.00182	
July 1, 2020	\$0.06857	\$0.04365	\$0.02289	\$0.00203	
October 1, 2020	\$0.06841	\$0.04868	\$0.01770	\$0.00203	
Post Acquisition:					
January 1, 2021	\$0.04766	\$0.03994	\$0.00596	\$0.00176	N

RCA NO.: 8 7th Revision Sheet No. 97.6.1



Canceling

6th Revision Sheet No. 97.6.1



Chugach Electric Association, Inc.

COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)

For Rates Effective	Total	Secondary Voltage (Rate per kWh)			T
		Fuel	Purchased Power	FIW Adjustment Factor	
October 1, 2019	\$0.06770	\$0.06430	\$0.00145	\$0.00195	
November 1, 2019	\$0.06764	\$0.06424	\$0.00145	\$0.00195	
January 1, 2020	\$0.06913	\$0.05990	\$0.00677	\$0.00246	
April 1, 2020	\$0.06873	\$0.03957	\$0.02734	\$0.00182	
July 1, 2020	\$0.06857	\$0.04365	\$0.02289	\$0.00203	
October 1, 2020	\$0.06841	\$0.04868	\$0.01770	\$0.00203	
Post Acquisition:					
January 1, 2021	\$0.04766	\$0.03994	\$0.00596	\$0.00176	
April 1, 2021	\$0.04980	\$0.04385	\$0.00508	\$0.00087	N

Tariff Advice No.: 498-8 Issued by: Chugach Electric Association, Inc. Effective: January 1, 2021
Pursuant to U-19-085(23)/ U-19-091(22)/U-19-071(5) P.O. Box 196300 Anchorage, Alaska 99519-6300

Tariff Advice No.: 501-8 Issued by: Chugach Electric Association, Inc. Effective: April 1, 2021
P.O. Box 196300 Anchorage, Alaska 99519-6300